	Type	L #	Hits	Search Text	DBs	Time Stamp
1	BRS	L1	4	(Hara near Takeyori)	USPAT	2004/09/15 08:16
2	BRS	L2	2	(weight$3 adj3 gain) same (position$3) same (disc or disk or medium or storage)	JPO	2004/09/15 08:18
3	BRS	L3	3	(position$3 near5 (demodulat$3 or decod$3)) same (disk or disc or storage or medium) same (gain)	EPO	2004/09/15 08:21
4	BRS	L4	7	(position$3 near5 (demodulat$3 or decod$3)) same (disk or disc or storage or medium) same (gain)	JPO	2004/09/15 08:23
5	BRS	L5	4	(position$3 near5 (demodulat$3 or decod$3)) same (disk or disc or storage or medium) same (gain)	DERWENT	2004/09/15 09:57
6	BRS	L6	3	(position$3 near5 (demodulat$3 or decod$3)) same (disk or disc or storage or medium) same (gain)	IBM_TDB	2004/09/15 10:06
7	BRS	L7	10	(Pos Q and PosN) same (demodulat$3 or decod$3) same (gain)	USPAT	2004/09/15 10:10
8	BRS	L8	8	(PosQ and PosN) same (demodulat$3 or decod$3) same (gain)	USPAT	2004/09/15 10:15
9	BRS	L9	0	(PosQ and PosN) same (demodulat$3 or decod$3) same (bursts)	USPAT	2004/09/15 10:14
10	BRS	L11	1	(PosQ and PosN) same (bursts)	USPAT	2004/09/15 10:15
11	BRS	L10	17	(PosQ and PosN) same (demodulat$3 or decod$3) same (servo)	USPAT	2004/09/15 10:15
12	BRS	L12	4	(weight$3 adj3 gain) same (position$3)	EPO	2004/09/15 10:28
13	BRS	L13	37	(weight$3 adj3 gain) same (demodulat$3 or decod$3)	USPAT	2004/09/15 10:30

	Type	L #	Hits	Search Text	DBs	Time Stamp
14	BRS	L14	18	(Okamura near Eiji)	USPAT	2004/09/15 10:46
15	BRS	L15	9	((weight$3 adj3 function) or (trapezoid$3 adj2 weight) or (triang$4 adj2 weight)) same (disc or disk or storage or drive or medium)	IBM_TDB	2004/09/15 10:51
16	BRS	L16	12	(weight$3 adj3 gain) same (position$3) same (disc or disk or medium or storage)	USPAT	2004/09/15 10:54
17	BRS	L17	12	(weight$3 adj3 gain) same (position$3)	DERWENT	2004/09/15 10:58
18	BRS	L18	1	(weight adj3 function) same (position$3) same (servo)	DERWENT	2004/09/15 10:58
19	BRS	L19	14	((weight$3 adj3 function) or (trapezoid$3 adj2 weight) or (triang$4 adj2 weight)) same (disc or disk or storage or drive or medium) same (position$3)	DERWENT	2004/09/15 11:00
20	BRS	L20	17	(weight$3 adj3 gain) same (position$3)	JPO	2004/09/15 11:02
21	BRS	L21	14	((weight$3 adj3 function) or (trapezoid$3 adj2 weight) or (triang$4 adj2 weight)) same (disc or disk or storage or drive or medium) same (position$3)	JPO	2004/09/15 11:07
22	BRS	L22	21	(Takaishi near Kazuhiko)	USPAT	2004/09/15 12:31

IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE

◈IEEE

Membership **Publications/Services** **Standards** **Conferences** **Careers/Jobs**

IEEE *Xplore*

Welcome
United States Patent and Trademark Office

Help   FAQ   Terms   IEEE Peer Review

Quick Links ▼

Welcome to IEEE Xplore

○ Home
○ What Can
  I Access?
○ Log-out

Tables of Contents

○ Journals
  & Magazines
○ Conference
  Proceedings
○ Standards

Search

○ By Author
○ Basic
○ Advanced

Member Services

○ Join IEEE
○ Establish IEEE
  Web Account
○ Access the
  IEEE Member
  Digital Library

○ Access the
  IEEE Enterprise
  File Cabinet

🖶 Print Format

Your search matched **15** of **1071730** documents.
A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance** in **Descending** or

Refine This Search:
You may refine your search by editing the current search expression or entering a new one in the
box.

(demodulate<or>decode)<and>(disk<or>disk)<and>s   Search

☐ Check to search within this result set

Results Key:
JNL = Journal or Magazine   **CNF** = Conference   **STD** = Standard

---

1 **Demodulation of servo tracking signals printed with a lithographically patterned mas
disk**
Ishida, T.; Miyata, K.; Komura, N.; Takaoka, T.;
Magnetics, IEEE Transactions on , Volume: 37 , Issue: 4 , July 2001
Pages:1412 - 1415

[Abstract]   [PDF Full-Text (160 KB)]   IEEE JNL

---

2 **Customizable coherent servo demodulation for disk drives**
Abramovitch, D.Y.;
American Control Conference, 1998. Proceedings of the 1998 , Volume: 5 , 24-26 June 1998
Pages:3043 - 3049 vol.5

[Abstract]   [PDF Full-Text (560 KB)]   IEEE CNF

---

3 **Customizable coherent servo demodulation for disk drives**
Abramovitch, D.Y.;
Mechatronics, IEEE/ASME Transactions on , Volume: 3 , Issue: 3 , Sept. 1998
Pages:184 - 193

[Abstract]   [PDF Full-Text (208 KB)]   IEEE JNL

---

4 **Pit phase compensating method for sample servo optical disk drive**
Furukawa, T.; Nakane, K.; Arai, R.; Oonishi, R.;
Magnetics, IEEE Transactions on , Volume: 25 , Issue: 5 , Sep 1989
Pages:3542 - 3544

[Abstract]   [PDF Full-Text (256 KB)]   IEEE JNL

---

5 **A new magnetic disk with servo pattern embedded under recording layer**
Ohtsuka, Y.; Koshikawa, T.; Aikawa, K.; Maeda, H.; Mizoshita, Y.;
Magnetics, IEEE Transactions on , Volume: 33 , Issue: 5 , Sept. 1997
Pages:2620 - 2622

[Abstract]   [PDF Full-Text (300 KB)]   IEEE JNL

---

6 **A median peak detecting analog signal processor for hard disk drive servo**
*Nagaraj, K.; Lewis, S.H.; Walden, R.W.; Offord, G.E.; Shariatdoust, R.S.; Sabnis, J.A.; Peruzzi, H
Barner, J.R.; Plany, J.; Mento, R.P.; Rakshani, V.A.; Hull, R.W.;*
Solid-State Circuits, IEEE Journal of , Volume: 30 , Issue: 4 , April 1995
Pages:461 - 470

IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE

◈IEEE

Membership Publications/Services Standards Conferences Careers/Jobs

IEEE Xplore

Welcome
United States Patent and Trademark Office

Help   FAQ   Terms   IEEE Peer Review

Quick Links   ▼

Your search matched **6** of **1071730** documents.
A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance** in **Descending** or

Refine This Search:
You may refine your search by editing the current search expression or entering a new one in the box.

(demodulate<or>decode)<and>(disk<or>disk)<and>ga.,   Search

☐ Check to search within this result set

Results Key:
JNL = Journal or Magazine   **CNF** = Conference   **STD** = Standard

1 **Source-channel coding of analog data for digital magnetic recording**
McLaughlin, S.W.; Neuhoff, D.L.;
Magnetics, IEEE Transactions on , Volume: 30 , Issue: 1 , Jan. 1994
Pages:128 - 144

[Abstract]   [PDF Full-Text (1364 KB)]   **IEEE JNL**

2 **A BiCMOS PLL-based data separator circuit with high stability and accuracy**
Miyazawa, S.; Horita, R.; Hase, K.; Kato, K.; Kojima, S.;
Solid-State Circuits, IEEE Journal of , Volume: 26 , Issue: 2 , Feb. 1991
Pages:116 - 121

[Abstract]   [PDF Full-Text (480 KB)]   **IEEE JNL**

3 **Interleaved maximum likelihood decoding in high-order partial responses for high-sp magnetic recording systems**
Umemoto, M.;
Global Telecommunications Conference, 1996. GLOBECOM '96. 'Communications: The Key to Glc Prosperity , Volume: 1 , 18-22 Nov. 1996
Pages:379 - 383 vol.1

[Abstract]   [PDF Full-Text (320 KB)]   **IEEE CNF**

4 **Design considerations of sampled analog equalizer for hard-disk read channel**
Jungryoul Choi; Joongho Choi;
TENCON 99. Proceedings of the IEEE Region 10 Conference , Volume: 2 , 15-17 Sept. 1999
Pages:1347 - 1350 vol.2

[Abstract]   [PDF Full-Text (232 KB)]   **IEEE CNF**

5 **A high speed digital data separator design using real time DSP for disk drive applicat**
Kim, B.; Greco, J.D.; Helman, D.N.; Ngo, H.; Yang, H.C.; Wu, W.-C.S.; Chowdhury, R.F.;
Circuits and Systems, 1992. ISCAS '92. Proceedings., 1992 IEEE International Symposium on , \
2 , 3-6 May 1992
Pages:625 - 628 vol.2

[Abstract]   [PDF Full-Text (308 KB)]   **IEEE CNF**

6 **An integrating servo demodulator for hard disk drives**
Shariatdoust, R.; Nagaraj, K.; Khoury, J.; Daubert, S.; Fasen, D.;
Custom Integrated Circuits Conference, 1993., Proceedings of the IEEE 1993 , 9-12 May 1993

◆IEEE

Membership Publications/Services Standards Conferences Careers/Jobs

IEEE Xplore

Welcome
United States Patent and Trademark Office

Help FAQ Terms IEEE Peer Review

Quick Links

Your search matched **9** of **1071730** documents.
A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance** in **Descending** or

Refine This Search:
You may refine your search by editing the current search expression or entering a new one in the box.

position<and>demodulating<and>gain   Search

☐ Check to search within this result set

Results Key:
JNL = Journal or Magazine **CNF** = Conference **STD** = Standard

1 **An advanced IF amplifier and AFT system suitable for HDTV**
McGinn, M.;
Consumer Electronics, IEEE Transactions on , Volume: 36 , Issue: 3 , Aug 1990
Pages:407 - 414

[Abstract] [PDF Full-Text (452 KB)] IEEE JNL

2 **A novel digital signal processing scheme for a stationary reticle seeker**
Oh, J.S.; Doo, K.S.; Jahng, S.G.; Seo, D.S.; Choi, J.S.;
TENCON 99. Proceedings of the IEEE Region 10 Conference , Volume: 1 , 15-17 Sept. 1999
Pages:722 - 725 vol.1

[Abstract] [PDF Full-Text (320 KB)] IEEE CNF

3 **High precision real-time beam position measurement system**
Kleman, K.J.;
Particle Accelerator Conference, 1989. 'Accelerator Science and Technology'., Proceedings of the IEEE , 20-23 March 1989
Pages:1465 - 1467 vol.3

[Abstract] [PDF Full-Text (232 KB)] IEEE CNF

4 **Channel sounder for the tactical VHF-range**
Berger, G.L.; Safer, H.;
MILCOM 97 Proceedings , Volume: 3 , 2-5 Nov. 1997.
Pages:1474 - 1478 vol.3

[Abstract] [PDF Full-Text (444 KB)] IEEE CNF

5 **A spatial smoothing formulation for location systems**
Moura, J.;
Oceanic Engineering, IEEE Journal of , Volume: 8 , Issue: 3 , Jul 1983
Pages:148 - 162

[Abstract] [PDF Full-Text (1336 KB)] IEEE JNL

6 **Q-switched semiconductor diode lasers**
Tsang, D.; Walpole, J.;
Quantum Electronics, IEEE Journal of , Volume: 19 , Issue: 2 , Feb 1983
Pages:145 - 156

◆IEEE

Membership   Publications/Services   Standards   Conferences   Careers/Jobs

IEEE Xplore°
RELEASE 1.0

Welcome
United States Patent and Trademark Office

Help   FAQ   Terms   IEEE Peer Review

Quick Links ▼

Welcome to IEEE Xplore

○ Home
○ What Can
   I Access?
○ Log-out

Tables of Contents

○ Journals
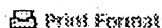   & Magazines
○ Conference
   Proceedings
○ Standards

Search

○ By Author
○ Basic
○ Advanced

Member Services

○ Join IEEE
○ Establish IEEE
   Web Account
○ Access the
   IEEE Member
   Digital Library

IEEE Enterprise

○ Access the
   IEEE Enterprise
   File Cabinet

Your search matched **1** of **1071730** documents.
A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance** in **Descending** or

Refine This Search:
You may refine your search by editing the current search expression or entering a new one in the
box.

(demodulating<or>decoding)<and>positioning<and>;   Search

☐ Check to search within this result set

Results Key:
JNL = Journal or Magazine   **CNF** = Conference   **STD** = Standard

---

1 **High density servo signal detection for accurate head positioning**
Ishii, K.; Mizukami, M.;
Magnetics, IEEE Transactions on , Volume: 23 , Issue: 5 , Sep 1987
Pages:3684 - 3686

[Abstract]   [PDF Full-Text (288 KB)]   **IEEE JNL**

🖶 Print Format

BEST AVAILABLE COPY

IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE

◈IEEE

Membership Publications/Services Standards Conferences Careers/Jobs

IEEE Xplore

Welcome
United States Patent and Trademark Office

Help   FAQ   Terms   IEEE Peer Review

Quick Links   ▼

Your search matched **1** of **1071730** documents.
A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance** in **Descending** or

Refine This Search:
You may refine your search by editing the current search expression or entering a new one in the box.

| (demodulating<or>decoding)<and>postion<and>serv | Search |

☐ Check to search within this result set

Results Key:
JNL = Journal or Magazine   **CNF** = Conference   **STD** = Standard

---

1 **A 200 Mb/s CMOS EPRML channel with integrated servo demodulator for magnetic ha disks**
Fields, J.; Aziz, P.; Bailey, J.; Barber, F.; Barner, J.; Burger, H.; Foster, R.; Heimann, M.; Kemps Mantz, L.; Mastrocola, A.; Peruzzi, R.; Peterson, T.; Raisinghani, J.; Rauschmayer, R.; Saniski, N Sayiner, N.; Setty, P.; Tedja, S.; Threadgill, K.; Fitzpatrick, K.K.; Fisher, K.;
Solid-State Circuits Conference, 1997. Digest of Technical Papers. 44th ISSCC., 1997 IEEE International , 6-8 Feb. 1997
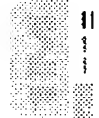Pages:314 - 315, 477

[Abstract]   [PDF Full-Text (1128 KB)]   **IEEE CNF**

🖨 Print Format

BEST AVAILABLE COPY

IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE

◆IEEE

Membership Publications/Services Standards Conferences Careers/Jobs

IEEE Xplore

Welcome
United States Patent and Trademark Office

Help   FAQ   Terms   IEEE Peer Review

Quick Links ▼

Welcome to IEEE Xplore

○ Home
○ What Can I Access?
○ Log-out

Tables of Contents

○ Journals & Magazines
○ Conference Proceedings
○ Standards

Search

○ By Author
○ Basic
○ Advanced

Member Services

○ Join IEEE
○ Establish IEEE Web Account
○ Access the IEEE Member Digital Library

○ Access the IEEE Enterprise File Cabinet

🖶 Print Format

Your search matched **9** documents.

A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance** in **Descending** or

Results Key:
JNL = Journal or Magazine   **CNF** = Conference   **STD** = Standard

---

1 **Seek control and settling control taming actuator resonance of hard disk drives**
Takaishi, K.; Saito, S.;
Magnetics, IEEE Transactions on ,Volume: 39 , Issue: 2 , March 2003
Pages:838 - 843

[Abstract]   [PDF Full-Text (405KB)]   IEEE JNL

---

2 **Hard disk drive servo technology for media-level servo track writing**
Takaishi, K.; Uematsu, Y.; Yamada, T.; Kamimura, M.; Fukushi, M.; Kuroba, Y.;
Magnetics, IEEE Transactions on ,Volume: 39 , Issue: 2 , March 2003
Pages:851 - 856

[Abstract]   [PDF Full-Text (530KB)]   IEEE JNL

---

3 **A flexural piggyback milli-actuator for over 5 Gbit/in.^{2} density magnetic recording**
Koganezawa, S.; Takaishi, K.; Mizoshita, Y.; Uematsu, Y.; Yamada, T.; Hasegawa, S.; Ueno, T.;
Magnetics, IEEE Transactions on ,Volume: 32 , Issue: 5 , Sept. 1996
Pages:3908 - 3910

[Abstract]   [PDF Full-Text (388KB)]   IEEE JNL

---

4 **Microactuator control for disk drive**
Takaishi, K.; Imamura, T.; Mizoshita, Y.; Hasegawa, S.; Ueno, T.; Yamada, T.;
Magnetics, IEEE Transactions on ,Volume: 32 , Issue: 3 , May 1996
Pages:1863 - 1866

[Abstract]   [PDF Full-Text (316KB)]   IEEE JNL

---

5 **Vibration minimized access control for disk drives**
Mizoshita, Y.; Hasegawa, S.; Takaishi, K.;
Magnetics, IEEE Transactions on ,Volume: 32 , Issue: 3 , May 1996
Pages:1793 - 1798

[Abstract]   [PDF Full-Text (488KB)]   IEEE JNL

---

6 **Normalized longitudinal current distributions on microstrip lines with finite strip thic**
Kobayashi, M.; Takaishi, K.;
Microwave Theory and Techniques, IEEE Transactions on ,Volume: 42 , Issue: 5 , May 1994
Pages:866 - 869

[Abstract]   [PDF Full-Text (288KB)]   IEEE JNL

---

7 **Seek control and settling control taming actuator resonance of HDD**
Takaishi, K.; Saito, S.;
Magnetic Recording Conference, 2002. Digest of the Asia-Pacific , 27-29 Aug. 2002
Pages:BA3-01 - BA3-02

[Abstract]   [PDF Full-Text (232KB)]   IEEE CNF

---

8 **HDD servo technology for media-level servo track writing**
Takaishi, K.; Uematsu, Y.; Yamada, T.; Kamimura, M.; Fukushi, M.; Kuroba, Y.;
Magnetic Recording Conference, 2002. Digest of the Asia-Pacific , 27-29 Aug. 2002
Pages:BA6-01 - BA6-02

[Abstract]   [PDF Full-Text (239KB)]   IEEE CNF

9 **Fast seek control taming actuator vibrations for magnetic disk drives**
Takaishi, K.;
Magnetics Conference, 1999. Digest of INTERMAG 99. 1999 IEEE International , May 18-21, 199'
Pages:FS14 - FS14

[Abstract]   [PDF Full-Text (60KB)]   IEEE CNF

◆IEEE

Membership Publications/Services Standards Conferences Careers/Jobs

IEEE *Xplore*

Welcome
United States Patent and Trademark Office

Help   FAQ   Terms   IEEE Peer Review

Quick Links ▼

Welcome to IEEE Xplore

○ Home
○ What Can
   I Access?
○ Log-out

Tables of Contents

○ Journals
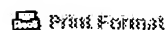   & Magazines
○ Conference
   Proceedings
○ Standards

Search

○ By Author
○ Basic
○ Advanced

Member Services

○ Join IEEE
○ Establish IEEE
   Web Account
○ Access the
   IEEE Member
   Digital Library

○ Access the
   IEEE Enterprise
   File Cabinet

Your search matched **2** documents.

A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance** in **Descending** or

Results Key:
JNL = Journal or Magazine   **CNF** = Conference   **STD** = Standard

1 **HIL simulation system for HDD servo firmware**
Senta, Y.; Sato, Y.; Okamura, E.;
Magnetics, IEEE Transactions on ,Volume: 38 , Issue: 5 , Sept. 2002
Pages:2204 - 2206

[Abstract]   [PDF Full-Text (253KB)]   IEEE JNL

2 **HIL simulation system for the HDD servo firmware**
Senta, Y.; Sato, Y.; Okamura, E.;
Magnetics Conference, 2002. INTERMAG Europe 2002. Digest of Technical Papers. 2002 IEEE
International , 28 April-2 May 2002
Pages:BS14

[Abstract]   [PDF Full-Text (240KB)]   IEEE CNF

🖨 Print Format

BEST AVAILABLE COPY

Searching PAJ

MENU | **NEWS** | **HELP**

Search Results : 5   Index Indication   Clear

Text Search   If you want to conduct a Number Search, please click on the button to the right.   Number Search

Applicant,Title of invention,Abstract — e.g. computer semiconductor

If you use the AND/OR operation, please leave a SPACE between keywords.

One letter word or Stopwords are not searchable.

| position | AND ▼ |

AND

| demodulating | AND ▼ |

AND

| gain sensitivity | AND ▼ |

AND

Date of publication of application — e.g.19980401 - 19980405

[   ] - [   ]

AND

IPC — e.g. D01B7/04 A01C11/02

If you use the OR operation, please leave a SPACE between keywords.

[   ]

Search   Stored data

Copyright (C); 1998,2003 Japan Patent Office

No.	Publication No.	Title
1.	2003 - 157628	METHOD AND CIRCUIT FOR POSITION DEMODULATION OF DISK UNIT
2.	2001 - 184817	METHOD AND DEVICE FOR CONTROLLING HEAD POSITIONING OF DISK DRIVE
3.	2000 - 030386	STORAGE DEVICE AND POSITIONAL SENSITIVITY SETTING METHOD
4.	10 - 027444(1998)	POSITION SENSITIVITY ADJUSTING METHOD OF DISK DEVICE
5.	59 - 038977(1984)	POSITION SIGNAL DEMODULATOR OF DISK DEVICE

Searching PAJ

MENU | NEWS | HELP

Search Results : 15 [Index Indication] [Clear]

| **Text Search** | If you want to conduct a Number Search, please click on the button to the right. [Number Search] |

Applicant,Title of invention,Abstract — e.g. computer semiconductor

If you use the AND/OR operation, please leave a SPACE between keywords.
One letter word or Stopwords are not searchable.

| position | AND ▼ |

AND

| demodulating | AND ▼ |

AND

| disk gain | AND ▼ |

AND

Date of publication of application — e.g.19980401 - 19980405

[   ] - [   ]

AND

IPC — e.g. D01B7/04 A01C11/02

If you use the OR operation, please leave a SPACE between keywords.

[   ]

⌄

[Search] [Stored data]

Copyright (C); 1998,2003 Japan Patent Office

No.	Publication No.	Title
1.	2003 - 157628	METHOD AND CIRCUIT FOR POSITION DEMODULATION OF DISK UNIT
2.	2001 - 184817	METHOD AND DEVICE FOR CONTROLLING HEAD POSITIONING OF DISK DRIVE
3.	2000 - 173211	STORAGE DEVICE AND DISK POSITION DETECTION METHOD USED IN THE DEVICE
4.	2000 - 030386	STORAGE DEVICE AND POSITIONAL SENSITIVITY SETTING METHOD
5.	10 - 106138(1998)	SERVO CONTROLLER OF SPINDLE MOTOR FOR OPTICAL DISK
6.	10 - 027444(1998)	POSITION SENSITIVITY ADJUSTING METHOD OF DISK DEVICE
7.	06 - 302104(1994)	RECORDING OR REPRODUCING DEVICE
8.	06 - 243608(1994)	HEAD POSITIONING CONTROL DEVICE
9.	06 - 187643(1994)	OPTICAL DISK DEVICE
10.	04 - 010280(1992)	SIGNAL REGENERATING DEVICE
11.	03 - 049081(1991)	MAGNETIC DISK DEVICE
12.	62 - 212983(1987)	COMPENSATING CIRCUIT FOR MAGNETIC DISK DEVICE
13.	59 - 038977(1984)	POSITION SIGNAL DEMODULATOR OF DISK DEVICE
14.	59 - 014175(1984)	MAGNETIC DISK DEVICE
15.	55 - 105815(1980)	MAGNETIC DISK DEVICE

Copyright (C); 1998,2003 Japan Patent Office